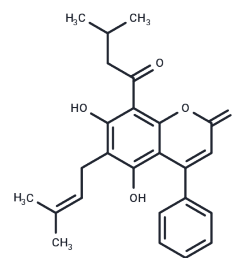


Mammea A/BA

Chemical Properties

CAS No. :	5224-54-4
Formula:	C ₂₅ H ₂₆ O ₅
Molecular Weight:	406.47
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Mammea A/BA demonstrates significant efficacy in inhibiting <i>Trypanosoma cruzi</i> (T. cruzi), through mechanisms such as mitochondrial dysfunction, increased production of reactive oxygen species (ROS), and DNA fragmentation, alongside elevating acidic vacuole numbers. This compound is capable of inducing apoptosis, autophagy, and necrosis, making it a valuable research tool for Chagas disease.
Targets(IC50)	Apoptosis,Others,Reactive Oxygen Species,Parasite,Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4602 mL	12.301 mL	24.6021 mL
5 mM	0.492 mL	2.4602 mL	4.9204 mL
10 mM	0.246 mL	1.2301 mL	2.4602 mL
50 mM	0.0492 mL	0.246 mL	0.492 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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